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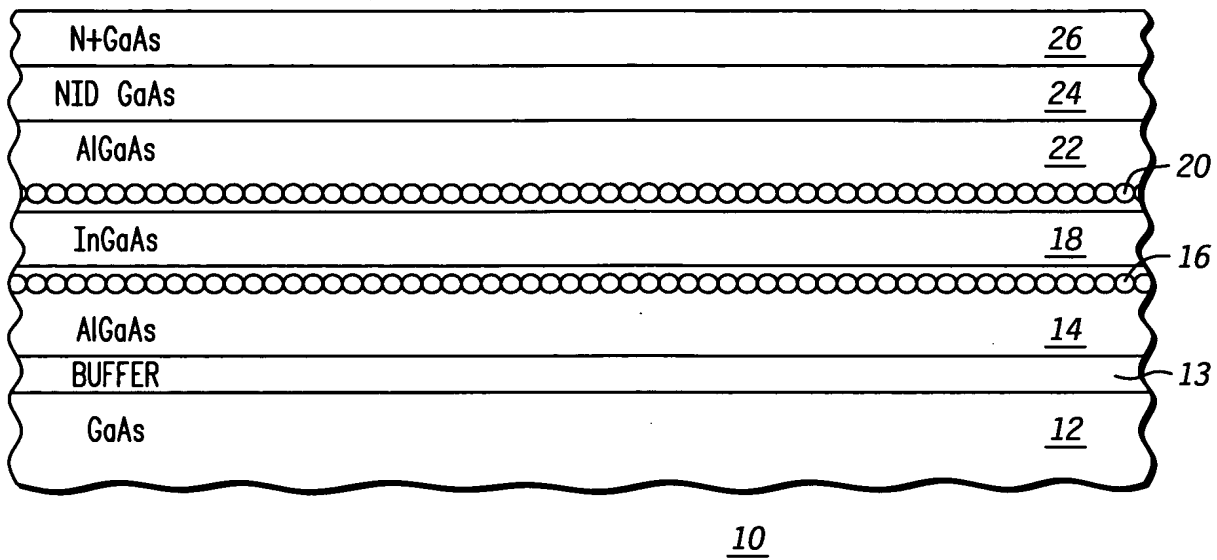


FIG. 1

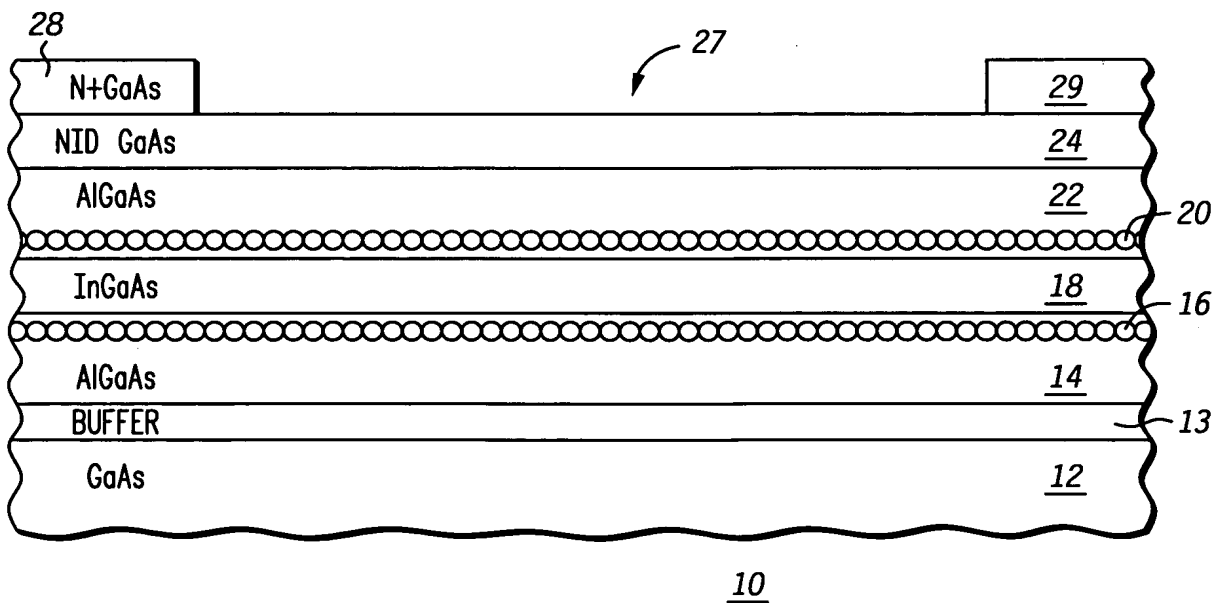


FIG. 2

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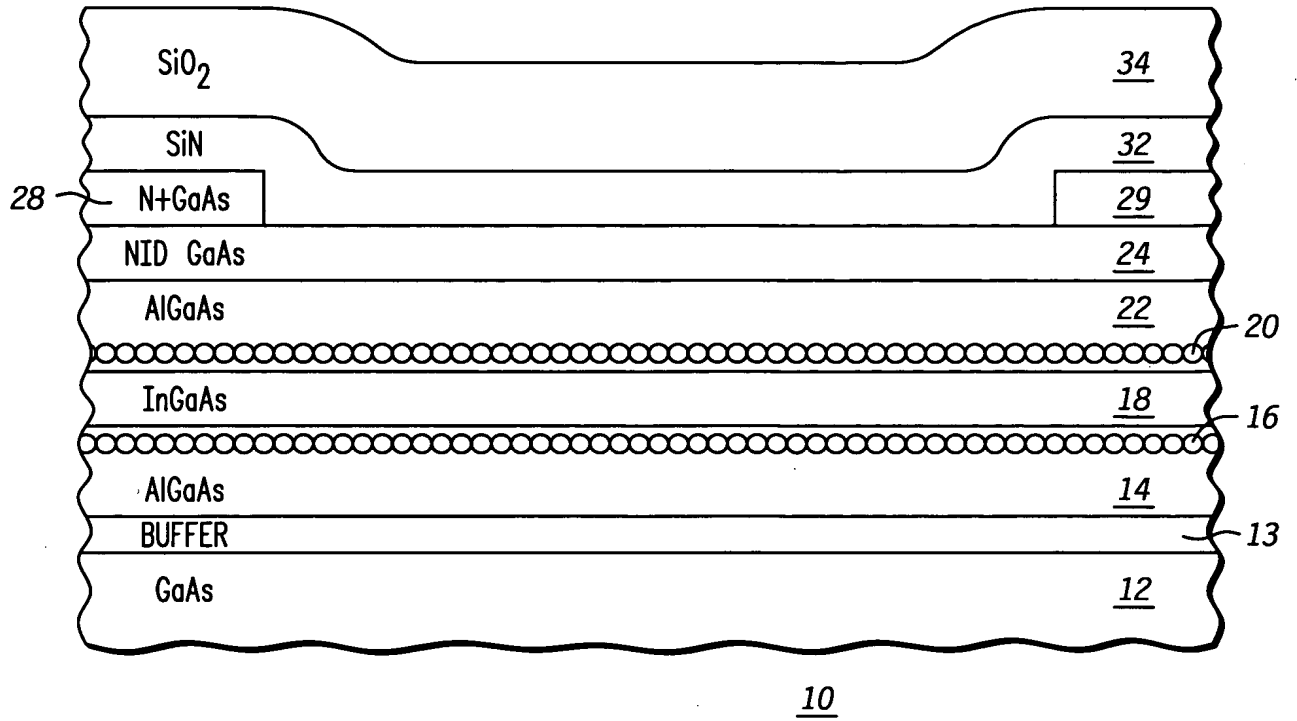


FIG. 3

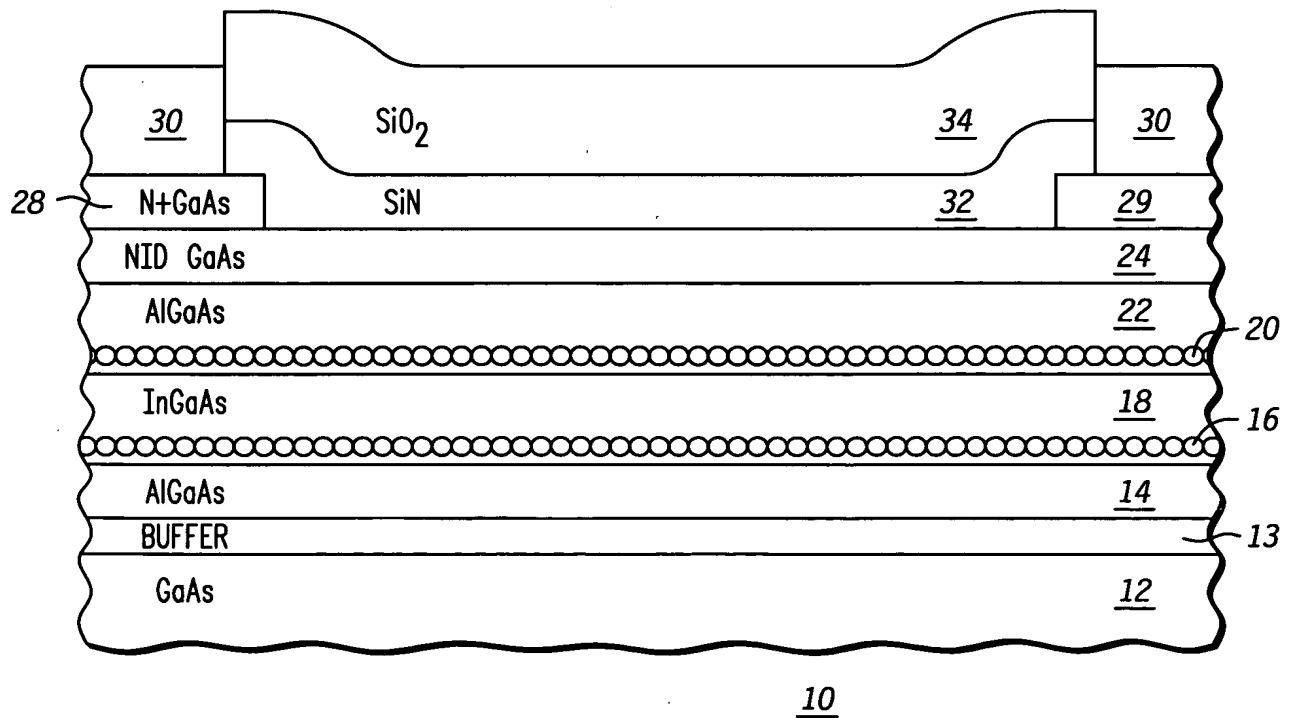


FIG. 4

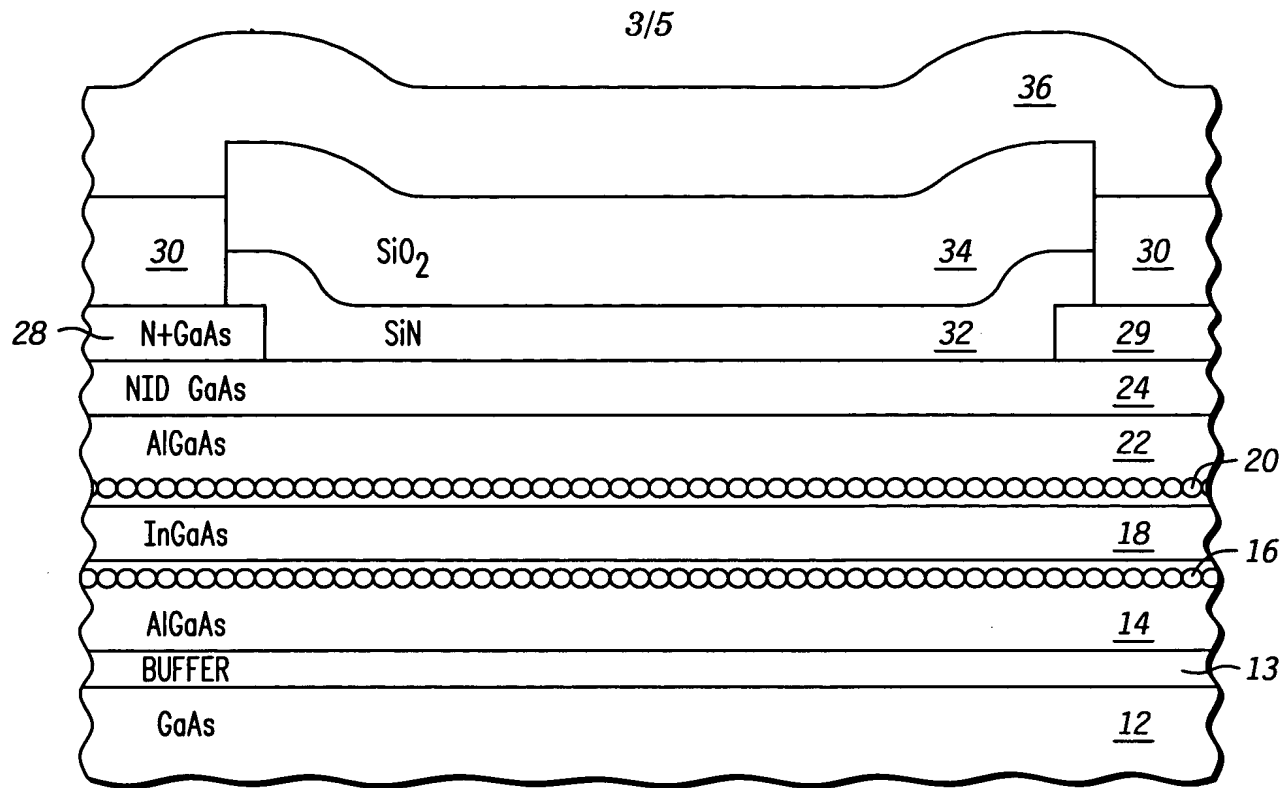


FIG. 5

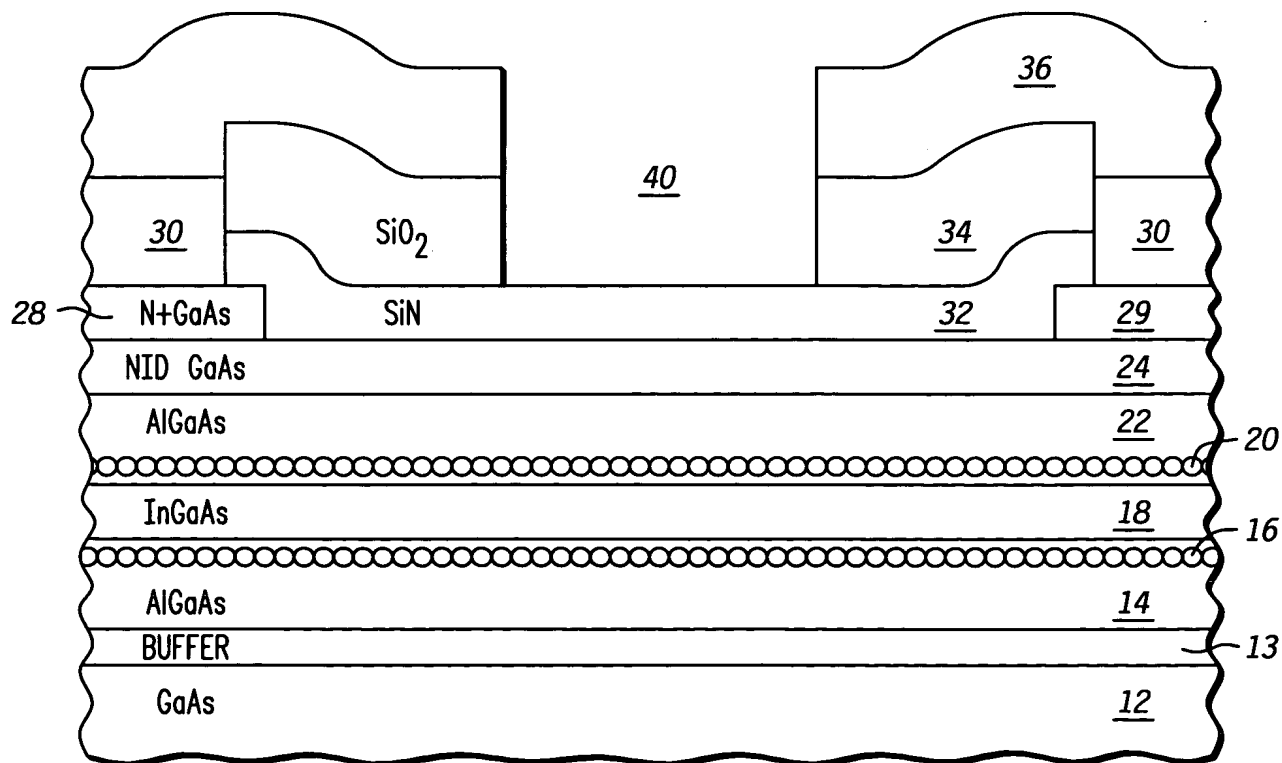


FIG. 6



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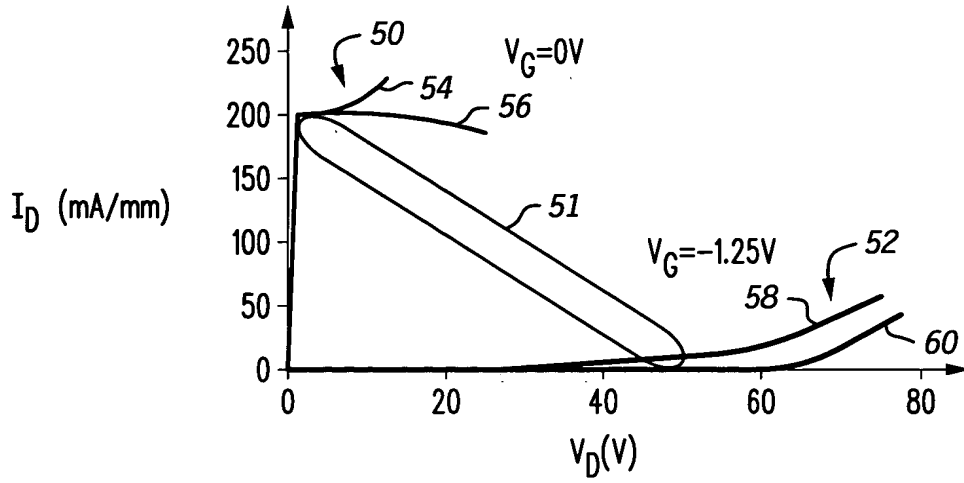


FIG. 9

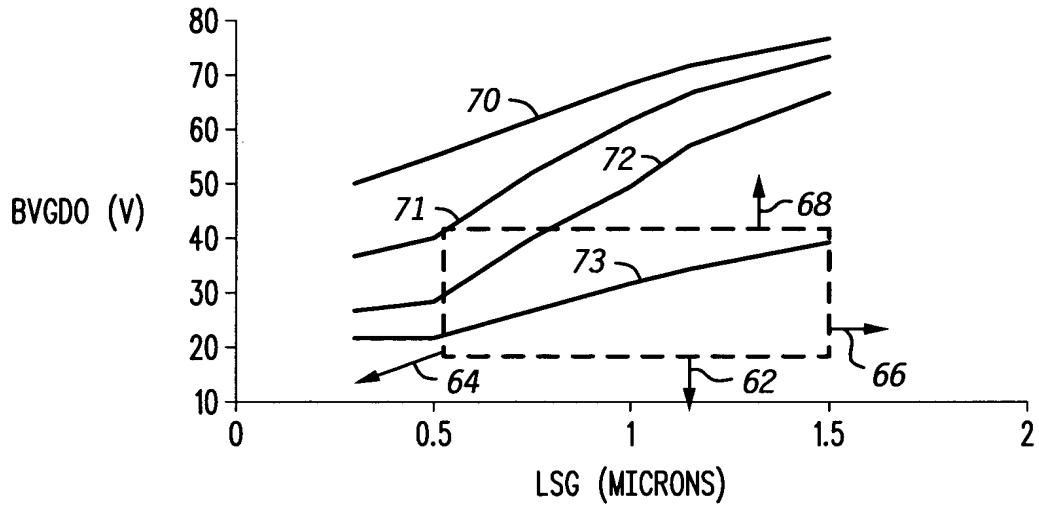


FIG. 10

| STEP GATE LENGTH (μm) | GAIN (MAX POWER TUNING) (dB) | PSAT (MAX POWER TUNING) (W/mm) | PAE (MAX POWER TUNING) (%) | IG@SMALL SIGNAL (mA/mm) | BVGDO (V) |
|------------------------------------|------------------------------|--------------------------------|----------------------------|-------------------------|-----------|
| 0.5 | 11.5 | 1.71 | 58 | -0.7 | 24 |
| 0.8 | 11 | 1.67 | 57 | -0.1 | 31 |
| 1.2 | 10.2 | 1.53 | 53 | -0.005 | 37 |

FIG. 11